Supplementary material for the article:

Petrović, Z. D.; Đorović, J.; Simijonović, D.; Trifunović, S.; Petrović, V. P. In Vitro Study of Iron Coordination Properties, Anti-Inflammatory Potential, and Cytotoxic Effects of N-Salicylidene and N-Vanillidene Anil Schiff Bases. *Chemical Papers* **2018**, *72* (9), 2171–2180. https://doi.org/10.1007/s11696-018-0419-5

Supplementary material

In vitro study of iron coordination properties, anti-inflammatory potential, and cytotoxic effects of N-salicylidene and N-vanillidene anil Schiff bases

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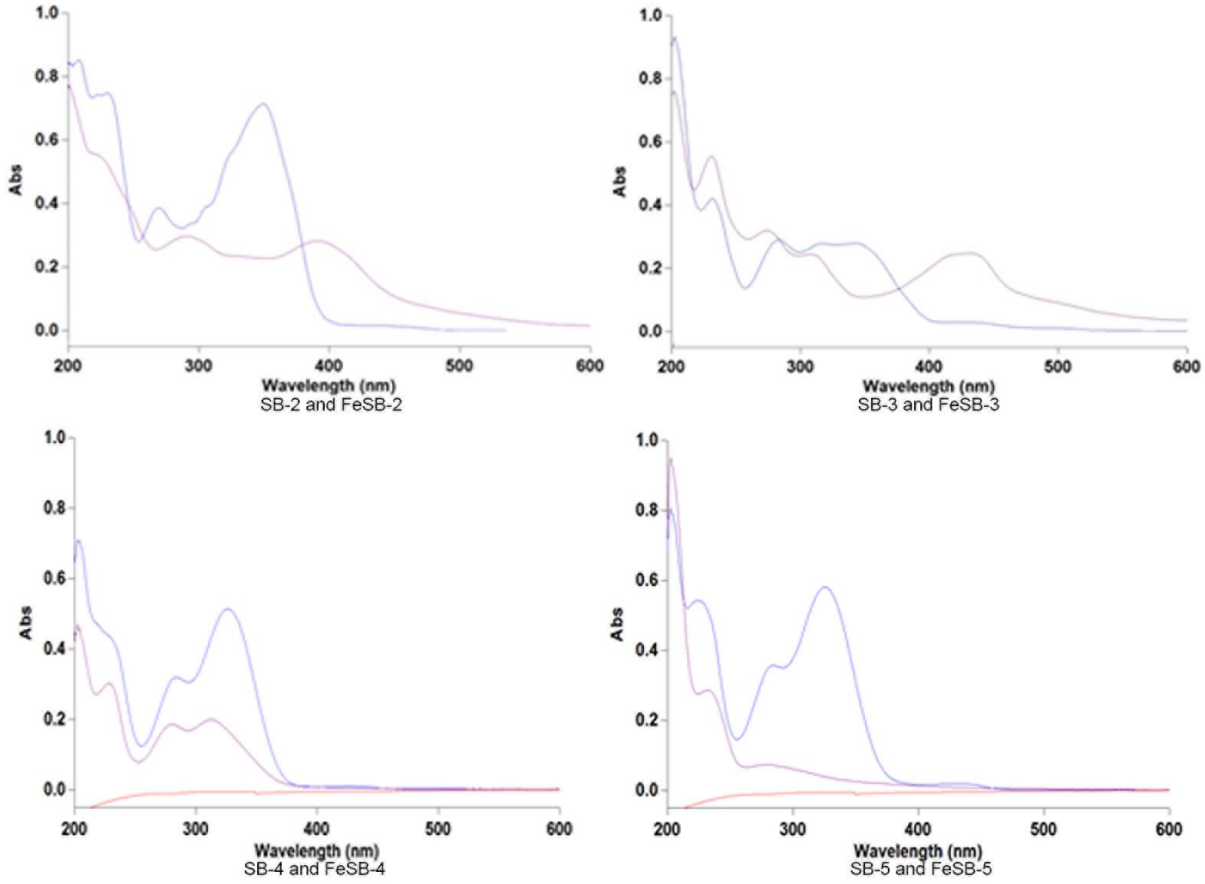

Figure S1. UV-Vis spectra of the Schiff bases (blue line) and corresponding Fe complexes (violet line)

Figure S2. Experimental IR spectra of **FeSB-2** complex (red line) and **SB-2** (blue line)

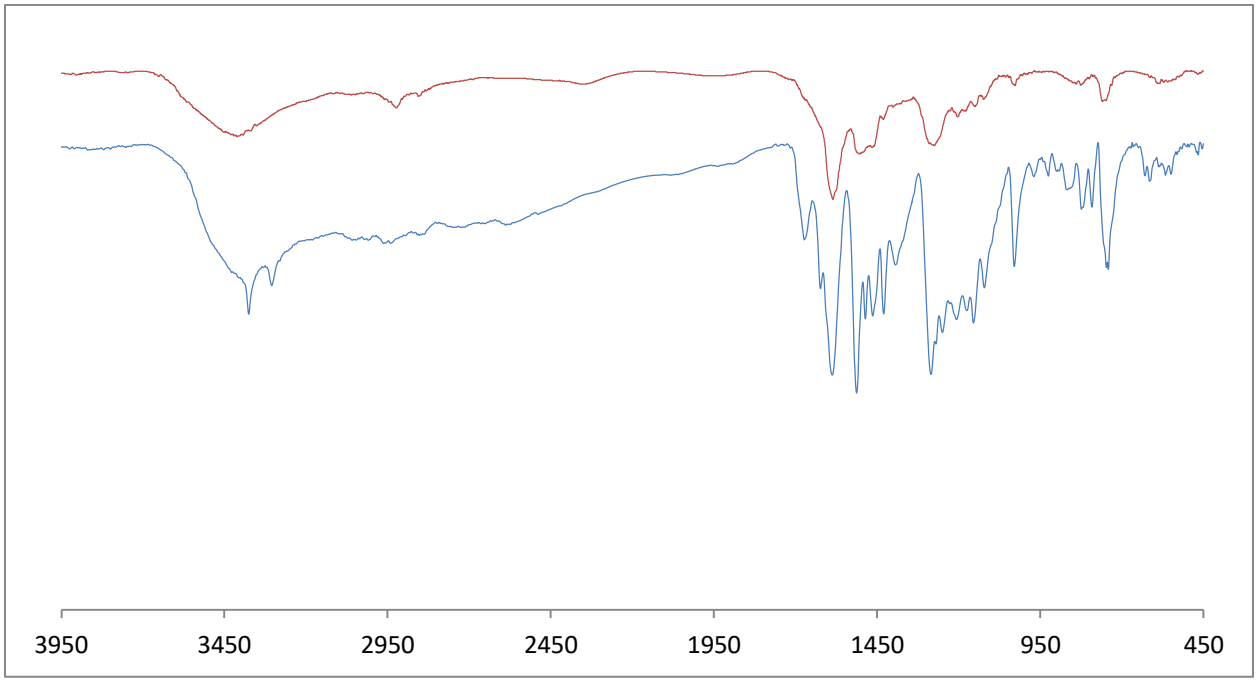

Figure S3. Experimental IR spectra of **FeSB-3** complex (red line) and **SB-3** (blue line)

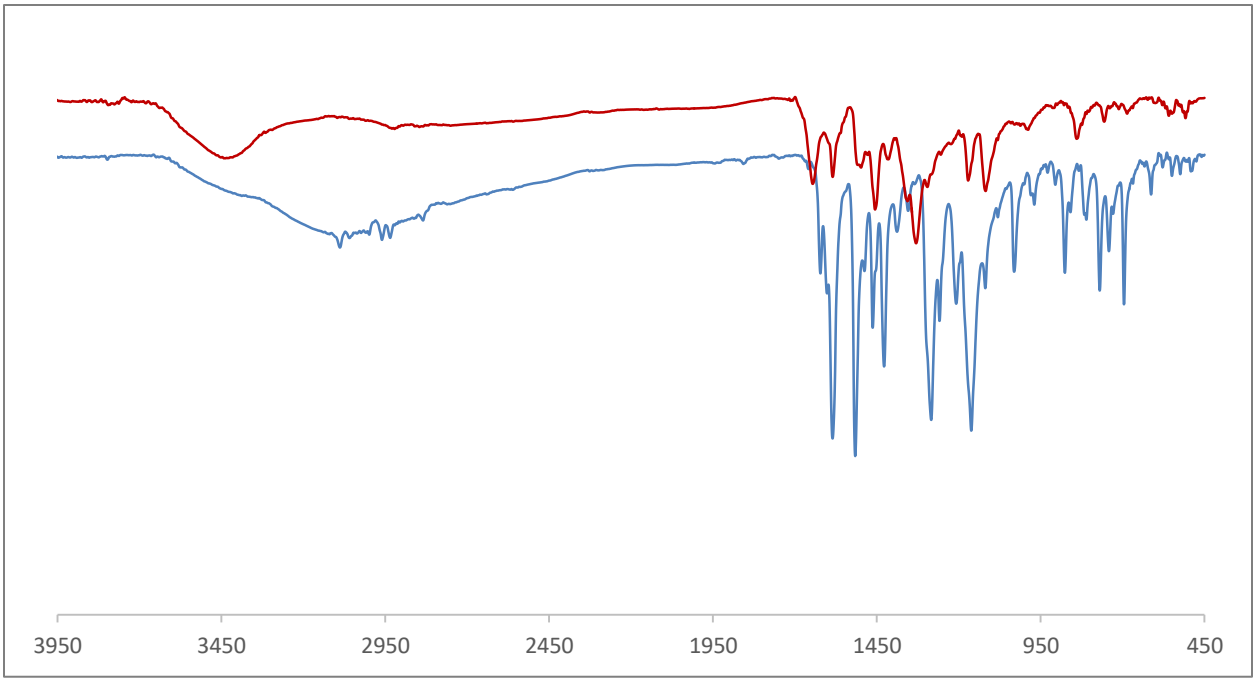

Figure S4. Experimental IR spectra of **FeSB-4** complex (red line) and **SB-4** (blue line)

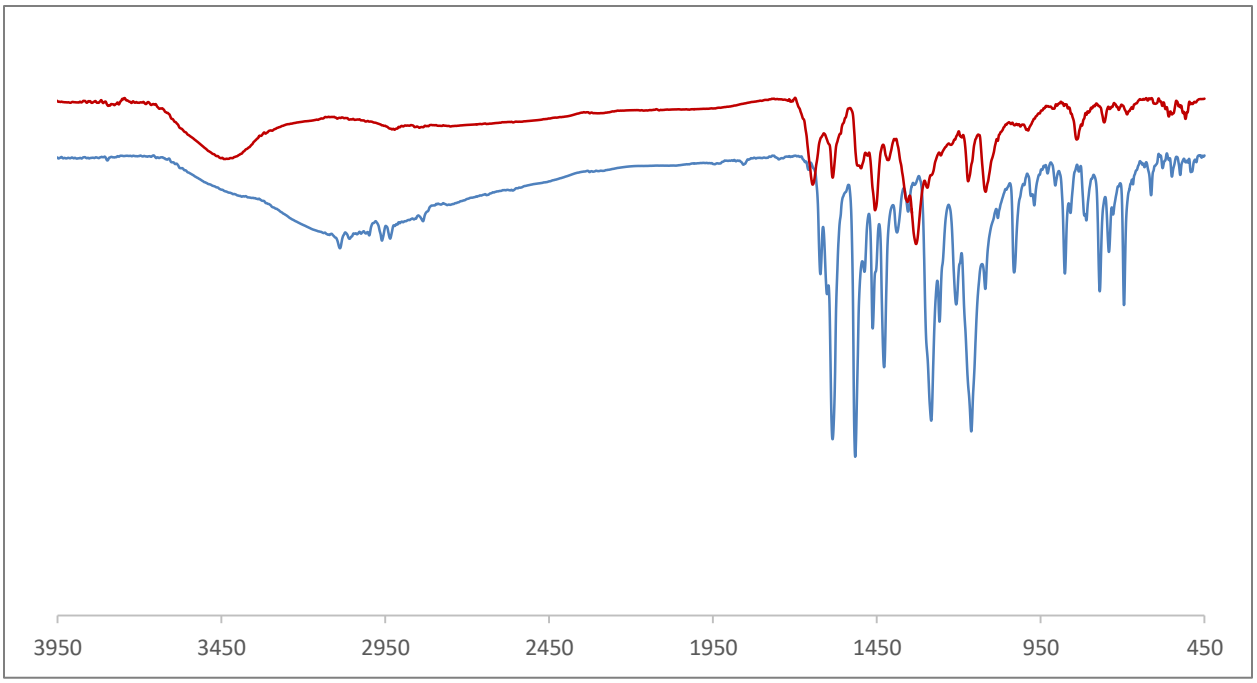

Figure S5. Experimental IR spectra of **FeSB-5** complex (red line) and **SB-5** (blue line)

Cartesian coordinates of the optimised structures

SB-1

0 1

N	0.41308000	0.15686900	0.07723500
C	-0.47659000	-0.73112900	-0.21958400
H	-0.18339300	-1.73325500	-0.54630900
C	-1.89952800	-0.46883200	-0.14324900
C	-2.80984900	-1.46550300	-0.54603000
C	-2.40910700	0.76354400	0.34333500
C	-4.17820000	-1.25861000	-0.48022600
H	-2.41832700	-2.40837000	-0.91331400
C	-3.79059900	0.96588800	0.41123200
C	-4.66266600	-0.03496800	0.00114100
H	-4.15850600	1.91286600	0.78761000
C	1.78371200	-0.16151400	0.08008300
C	2.30654900	-1.38814400	0.51115700
C	2.67342100	0.85501500	-0.32367000
C	3.68094200	-1.60884100	0.52354600
H	1.62920100	-2.15564500	0.86755700
C	4.04836700	0.63256400	-0.31297200
C	4.54972000	-0.59715200	0.10821600
H	4.07166300	-2.55793400	0.87037600
H	-4.86546400	-2.03381600	-0.79530800
H	-5.73147800	0.13746600	0.05753300
O	-1.59230500	1.75644400	0.75366200
H	-0.66120400	1.43887000	0.63983900
H	5.62095600	-0.76107600	0.11919600
O	2.21167600	2.06459000	-0.75287700
H	1.24441000	2.05256900	-0.71441300
H	4.70857600	1.42806000	-0.63755500

FeSB-1

-1 6

Fe	-0.00027900	-0.29416100	-0.00025900
O	-0.31466700	-1.68828800	-1.40874800
O	-0.33200100	1.11551700	1.37043700
O	0.31098200	-1.68928200	1.40776200
O	0.33452300	1.11462300	-1.37125000
N	-2.17978500	-0.38991800	-0.09039400
N	2.17904700	-0.39422200	0.09039700
C	-1.53845100	-2.15599000	-1.53033100
C	-1.84796200	-3.27740900	-2.32424800
H	-1.04003700	-3.76827600	-2.85551700
C	-3.15506800	-3.74536900	-2.41245900

H	-3.36963100	-4.61574400	-3.02369500
C	-4.18973200	-3.11677200	-1.71133200
H	-5.20178700	-3.50009400	-1.76531600
C	-3.90899000	-2.00085200	-0.92540600
H	-4.70679300	-1.53151100	-0.36069900
C	-2.60469100	-1.50612000	-0.84300100
C	-3.00221300	0.52416700	0.32423000
H	-4.05784200	0.44932800	0.05274300
C	-2.65972700	1.67100100	1.11894700
C	-3.69307600	2.58226000	1.43874400
H	-4.69067100	2.38369200	1.05880200
C	-3.46339800	3.70266700	2.21252000
H	-4.26877100	4.38893500	2.44355400
C	-2.16448800	3.93566200	2.69894700
H	-1.96856000	4.81141700	3.30895400
C	-1.13020600	3.06513800	2.41045500
H	-0.12797500	3.24251700	2.78372900
C	-1.33286100	1.90966300	1.61245900
C	1.53386800	-2.15919100	1.52993600
C	1.84093100	-3.28122700	2.32392300
H	1.03185200	-3.77067100	2.85474300
C	3.14714100	-3.75156800	2.41275200
H	3.35982000	-4.62238200	3.02401900
C	4.18329400	-3.12477000	1.71221400
H	5.19463200	-3.50990100	1.76670400
C	3.90497300	-2.00829200	0.92622400
H	4.70393600	-1.54035300	0.36199300
C	2.60160600	-1.51120900	0.84316000
C	3.00332700	0.51821900	-0.32417700
H	4.05877400	0.44133000	-0.05257400
C	2.66320500	1.66575300	-1.11889200
C	3.69837200	2.57508700	-1.43832400
H	4.69551400	2.37454000	-1.05822500
C	3.47100200	3.69609400	-2.21190700
H	4.27774000	4.38086000	-2.44263500
C	2.17263000	3.93170200	-2.69851600
H	1.97849300	4.80797600	-3.30835100
C	1.13663200	3.06309000	-2.41042600
H	0.13482300	3.24245800	-2.78388900
C	1.33691700	1.90701400	-1.61269600